BS in Electrical Engineering

(2009-2010 Academic Year)

Following is **one** suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment. Students are responsible for meeting all course prerequisites.

FRESHMAN YEAR			
Fall Semester	**Credit**	**Spring Semester**	**Credit**
Courses	**Hours**	**Courses**	**Hours**
CSCE 1020 *Program Development*	*4*	*MATH 1720* *Calculus II*	*3*
MATH 1710 *Calculus I*	*4*	*PHYS 1710* *Mechanics*	*3*
CHEM 1410 *General Chemistry*	*3*	*PHYS 1730* *Laboratory in Mechanics*	*1*
CHEM 1430 *General Chemistry Lab*	*1*	*EENG 2710* *Digital Logic Design*	*3*
ENGL 1310 or 1313 *College Writing I**	*3*	*MGMT 3830* *Operation Management*	*3*
EENG 1910 Project I *Learning to Learn*	*2*	*ENGL 2700* *Technical Writing***	*3*
		EENG 1920 Project II *Introduction to EE*	*2*
Total	**17**	**Total**	**18**

SOPHOMORE YEAR			
Fall Semester	**Credit**	**Spring Semester**	**Credit**
Courses	**Hours**	**Courses**	**Hours**
EENG 2610 *Circuit Analysis*	*3*	*EENG 2620* *Signals and Systems*	*3*
MATH 3310 *Differential Equations with App.*	*3*	*MATH3680* *Applied Statistics*	*3*
HIST 2610 US *History to 1865**	*3*	*PSCI 1040* *American Government I*	*3*
PHYS 2220 *Electricity and Magnetism*	*3*	*MGMT 3850* *Entrepreneurship*	*3*
PHYS 2240 Lab in Wave Motion, *Electricity, Magnetism and Optics*	*1*	*HIST 2620 US* *History since 1865*	*3*
EENG 2910 Project III *Digital System Design*	*2*	*EENG 2920 Project IV* *Analog Circuit Design*	*2*
Total	**15**	**Total**	**17**

JUNIOR YEAR			
Fall Semester Courses	**Credit Hours**	**Spring Semester Courses**	**Credit Hours**
EENG 3510 Electronics I (Devices and Materials)	*3*	*EENG 3710 Computer Organization*	*3*
MATH 2700 Linear Algebra and Vector Geometry	*3*	*EENG 3520 Electronics II (Circuits & Applications)*	*3*
EENG 3410 Engineering Electromagnetics	*3*	*EENG 3810 Communication Systems*	*3*
*PSCI 1050 American Government II**	*3*	*MATH 2730 Multivariable Calculus*	*3*
EENG 3910 Project V DSP System Design	*2*	*EENG 3920 Project VI Modern Communication System Design*	*2*
ENGR 2060 Professional Presentations	*3*		
Total	**17**	**Total**	**14**

SENIOR YEAR			
Fall Semester Courses	**Credit Hours**	**Spring Semester Courses**	**Credit Hours**
EENG 4010 Technical Elective	*3*	*EENG 4010 Technical Elective*	*3*
EENG 4710 VLSI Design	*3*	*EENG 4810 Computer Networks*	*3*
*Visual and Performing Arts**	*3*	*Humanities**	*3*
Understanding the Human Community	*3*	*Social and Behavioral Sciences**	*3*
EENG 4910 Project VII Senior Design I	*3*	*EENG 4990 Project VIII Senior Design II*	*3*
Total	**15**	**Total**	**15**

Actual degree plans may vary depending on availability of courses in a given semester.
Some courses may require prerequisites not listed.

***See the University Core Curriculum section of the Undergraduate Catalog for approved list of course options.**

****See College of Engineering degree requirement section of the Undergraduate Catalog for approved list of course options.**

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